

REMARKS

Claims 1 and 18 have been amended by adding new limitations. Claims 33 and 24 have been added. Support for the amendments to the claims is presented, for example, in the specification at page 9, line 26 – page 10, line 5. Support for the new claims is presented, for example in Claim 1 or 18. No new matter has been added. Applicant respectfully request entry of the amendments and reconsideration of the present application in view of the amendments and the remarks set forth below.

Discussion of the Claim Rejections Under 35 U.S.C. § 103

Claims 1-4 and 16 have been rejected under 35 U.S.C. § 103 as being unpatentable over Tachibana (U.S. Publication No. 2005/0,029,277) in view of Hirschman et al. (US Patent No. 4,854,324) Applicant respectfully submits that Claims 1-4 and 16 are allowable over the cited references., as discussed below.

Discussion of Patentability of Independent Claim 1

As amended herein, Claim 1 recites among other things, “said detector obtains the pressure by detecting **a stress on the piston member** and calculating an injection pressure based on the inner diameter obtained from the RFID chip and the detected stress” As the Examiner acknowledged in the Office Action, Tachibana does not disclose the RFID including the pressure resistance of the liquid syringe and the operation control means to control the liquid injection mechanism to not exceed the value of pressure resistance. Hirschman is silent about a use of RFID and teach manual entry of the pressure to the system (Column 9, lines 65-67), while claim recites that the pressure resistance of the liquid syringe is recorded on the RFID. Hirschman teaches a pressure limit circuit to monitor plunger motor current which is allegedly proportional to the fluid pressure. However, as shown in FIG 5A of Hirschman, a complex mechanism is intervened between the monitor plunger motor and a piston, which gives one with ordinary skills in the art concerns regarding accuracy of correlation with the actual pressure applied on the piston. To the contrary, Claim 1 recites more direct approach “...detecting **a stress on the piston member...**”.

Application No.: 10/598,536
Filing Date: September 1, 2006

In view of these facts, the cited references, even if combined, fail to teach those specific features of the subject matter in Claim 1, and will not lead to a prima facie showing of obviousness. Applicant respectfully submits Claim 1 is allowable over the cited references.

Discussion of Patentability of Dependent Claims

The rest of the rejected claims depend from base Claim 1, and further define additional technical features of the present invention. In view of the patentability of Claim 1, and in further view of the additional technical features, Applicants respectfully submit that the dependent claims are patentable over the prior art.

Discussion of the Claim Rejections Under 35 U.S.C. § 103

Claims 15 and 17 have been rejected under 35 U.S.C. § 103 as being unpatentable over Tachibana (U.S. Publication No. 2005/0,029,277) in view of Hirschman et al. (US Patent No. 4,854,324) and further in view of Wilson et al. (U.S. Patent No. 5, 573,515). Applicant respectfully submits that Claims 15 and 17 are allowable over the cited references, as discussed below.

Claims 15 and 17 depend eventually from Claim 1 and Wilson does not cure the noted deficiency in Tachibana and Hirschman. In view of the patentability of Claim 1, and in further view of the additional technical features, Applicants respectfully submit that Claim 15 and 17 are patentable over the prior art.

Further, Claim 15 recites, among other things, “the liquid warmer comprises: an **RFID reader** for obtaining the various types of data recorded on said RFID chip; and operation control means for performing a predetermined operation in accordance with at least some of the various types of obtained data” while Wilson teaches a simple ON/OFF operation. (Colum 8, lines 17-25) Applicant respectfully request withdrawal of the rejection.

Discussion of the Claim Rejections Under 35 U.S.C. § 103

Claims 18-31 have been rejected under 35 U.S.C. § 103 as being unpatentable over Tachibana (U.S. Publication No. 2005/0,029,277) in view of Hirschman et al. (US Patent No. 4,854,324) Applicant respectfully submits that Claims 18-31 are allowable over the cited references., as discussed below.

Application No.: 10/598,536
Filing Date: September 1, 2006

Discussion of Patentability of Independent Claim 18

Claim 18 recites all of the features discussed at Patentability of Independent Claim 1. In view of the patentability of Claims 1, Applicants respectfully submit Claim 18 is patentable over the prior art.

Discussion of Patentability of Dependent Claims

The rest of the rejected claims depend from base Claim 18, and further define additional technical features of the present invention. In view of the patentability of Claim 18, and in further view of the additional technical features, Applicants respectfully submit that the dependent claims are patentable over the prior art.

Discussion of Patentability of New Claims

New Claims 33 and 34 recite similar features to Claims 1 and 18, respectively. In view of the patentability of Claims 1 and 18, Applicants respectfully submit that Claims 33 and 34 are patentable over the prior art.

CONCLUSION

In the light of the applicant's amendments to the claims and the foregoing Remarks, it is respectfully submitted that the present application is in condition for allowance. Should the Examiner have any remaining concerns which might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number appearing below.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure,

Application No.: 10/598,536
Filing Date: September 1, 2006

including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Co-Pending Applications of Assignee

Applicant wishes to draw the Examiner's attention to the following co-pending applications of the present application's assignee.

Docket No.	Serial No.	Title	Filed
KITO40.001APC	11/911,139	CHEMICAL LIQUID INJECTION SYSTEM	October 10, 2007

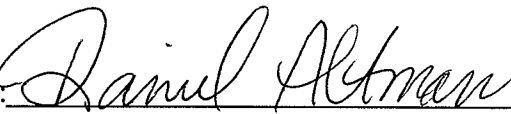
Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

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Dated: January 5, 2010

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